136 stinging tentacles that can easily put out an eye. There is also a needle urchin (*Diadema*), first reported from the Persian Gulf in 1949.[9] This urchin has spines more than a foot long, which can cause nasty, slow-healing wounds. However, as the urchin is several feet in diameter, black, and slow-moving, it is more easily avoided than the dawl.

164 752 Pearl divers suffer from a variety of diseases, most of which can be directly traced to their occupation. Open sores and skin ulcers result from encounters with the dawl and scrapes against coral and other sharp objects. Suppuration of the eardrums, rheumatism, and nosebleeds are common. Inflamed eyes are always a sign of the pearl diver. Persian Gulf divers are more susceptible to the "bends" than divers who use suits, since they must surface as rapidly as possible.

262 461 Divers never eat while they are working. When the day's diving is finished, the diver has some rice, dates, and tea, but not much else; sleep is his only energy builder. Every 10 days or so the divers get a rest, and every three weeks or so the dhows put in for food and water unless they have been revictualed at sea.

228 312 502 438 In recent years Ras Tanura has become a center of activity for the pearling fleet off its shores; for the oil company's installations can now pump an abundance of fresh water into the water tanks of the dhows much faster than it can be transferred by waterskins. The larger vessels anchor for the night on the banks; the smaller vessels sometimes take shelter if it is available. Some vessels of the pearling fleet replenish their water supply from the submarine springs that gush into the Persian Gulf in numerous places along the Arabian littoral. Relatively fresh water can be brought up in a waterskin by a diver. One of these springs, marked by a spar buoy, is to be found a few miles north of Jubail.

228 The first duty of the day on a pearling dhow is opening the previous day's oysters, which are heaped on deck in a large pile so that no one knows who found the oyster which may produce the rare gem. The muscles of the oysters relax enough overnight so that it is not difficult to open them. Less than a third of the oysters yield pearls, and these are usually only very small seed pearls.

228 442 439 Pearls are sometimes bought on the pearl banks by brokers who travel around in their own boats trying to get the best pearls before other brokers hear of them, and trying to get a valuable pearl before a nakhoda realizes its value. But whether the pearls are sold on the banks or at Bahrein, they all end up in Bombay.

113 [9] A. H. Clark and R. LeB. Bowen, Jr., Echinoderms of Tarut Bay and Vicinity, Saudi Arabia, *Amer. Museum Novitates*, No. 1390, 1949.

5: Harrison D-4 (1912-1924) 1924 M1 Middle East
Maritime Arabs M1:2
Kuwait: M1:1

All the cities along this coast north of Ras el Kheima are diving communities, and some of them are quite large. Kuwait, the largest, has about fifty thousand inhabitants. Kuwait has good harbor facilities, and the government of the city has been notably efficient and strong-handed for many years. A pearl diver may as well live in one coast town as another, and so Kuwait has grown to be a large city. The drinking water for this entire city is brought in specially constructed sailing vessels from the mouth of the Arab River in Mesopotamia sixty miles away. The divers live on rice that is brought them from India, on wheat that comes from Persia, and on sheep from inland Persia and Arabia. The only local product is fish. The physical surroundings of all these towns are very similar to those of Kuwait. The landscape is an unbroken and monotonous expanse of sand on one side and sea on the other. The heat in summer is extreme and the air is practically always moist, so that for three or four months in the summer the climate is almost unbearable.

In the spring the diving community begins to hum with activity. The boats are cleaned up and repaired. New masts are put in and new rigging provided. As the time for diving approaches, supplies of food and water are taken on board. The divers collect from far and near. Most of the population are divers, and in addition many more come from a distance to dive for the season. There are men from every district in Arabia and from all over Mesopotamia; a few come even from the various provinces of Persia. The place is filled with festivities and good fellowship and hopes for a successful season.

The day for embarkation finally comes. The boats are fitted with enormous sails, and also with a full com-